Overview

Whether it is a PC, a Smartphone, a Tablet or a Smart TV, User Interface is one of the crucial elements that contributes towards the success or failure of any consumer electronics product. Consumer demand for products with richer, sharper and interactive UIs has led to the development of a number of UI frameworks, like Qt, Adobe Flash/Flex, Silverlight, etc.

The proliferation of connected devices in various form factors and screen resolutions has thrown up a new challenge for App publishers. HTML5 has emerged as a great new alternative that enables cross-platform application development for deployment across many devices.

Our Services

Calsoft Labs helps device manufacturers and application developers move to HTML5. Having developed a variety of applications covering rich media, social networking, mobile advertising and other OTT services for different consumer electronics products, Calsoft Labs UX engineering and HTML5 app development teams offer an excellent mix of domain knowledge and technology skills to develop the most compelling HTML5 applications.

HTML5 application development

Calsoft Labs offers application development services using HTML5, CSS3 and Javascript to consumer electronics product manufacturers and App publishers. We have developed and tested HTML5 applications under different browser and OS environments including iOS, Android and embedded Linux. Calsoft Labs’ UX engineering team brings greater value to customers in its ability to perform user research, usability analysis and meaningful UI designs following a user-centred design approach.

Flash to HTML5 migration

A number of applications use Flash to render compelling UIs with rich animation and multimedia playback capabilities. However with lesser number of handheld devices supporting Flash player, HTML5 has emerged as the new alternative for customers developing applications for multi-platform many-device deployment. Calsoft Labs offers Flash to HTML5 migration services to address this need. Our past experience in Flash and expertise in SVG, multimedia frameworks and animation creation using CSS3/Javascript allows us to deliver results faster.
Embedded Browser optimization

Browsers play a key part in HTML5. With rich experience in profiling, assembler optimization, CPU, memory and load time optimization, optimization for Javascript processing, graphics (OpenGL), Audio-Video rendering, etc. Calsoft Labs has the unique ability to port and optimize HTML5 browsers in embedded devices based on ARM, MIPS and x86 architectures. We also offer HTML5 compliance testing services for embedded web browsers.

HTML5 application testing

Testing applications developed using HTML5 can be a challenge in many-device deployment scenario considering the number of browser and platform combinations that need to be tested. Calsoft Labs can help in such situations as an independent QA house to test applications, fix bugs and develop automated test scripts for future regression testing.

Why Calsoft Labs?

- Deep experience in Linux, Android and iOS application development, including cross-platform applications with HTML5 UI for consumer electronics and automotive infotainment.
- Expert UX engineering team with usability analysis and robust UI design process.
- Focus on product engineering in consumer electronics covering firmware, middleware and embedded applications, including Adobe Flash player porting and certification for many CE products.

About Calsoft Labs

Calsoft Labs provides specialized concept to market Product Engineering services to product and technology companies in select market segments. Our target markets include Automotive, Consumer Electronics, Industrial Automation, Networking, Storage and Independent Software Vendors (ISVs). Calsoft Labs delivers unmatched business value to its customers through a combination of process excellence, reusable frameworks and technology innovation.

Calsoft Labs is a wholly owned subsidiary of ALTEN. Set up in 1988, ALTEN is a European leader in Engineering and Technology Consulting (ETC) with 16,000 employees in over 16 countries worldwide.